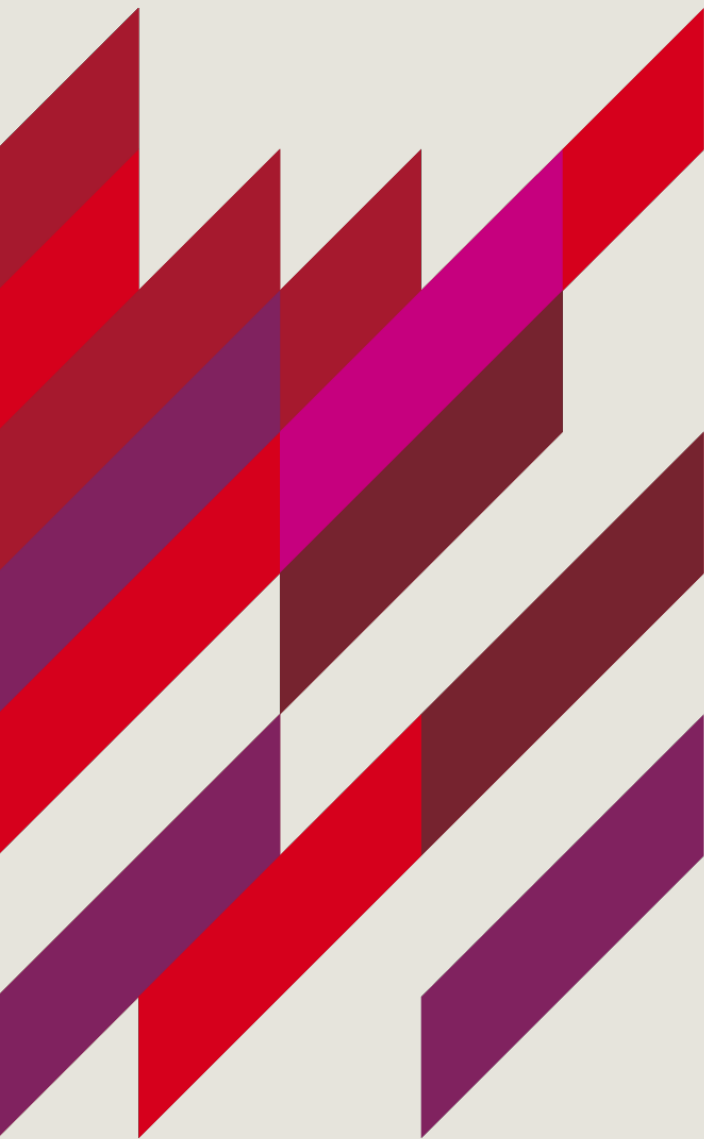


MQ Photonics Seminar – 2 pm Monday 25 March



Title: 2D stretchable photonic crystal for strain sensing

Location: Multi-purpose room,
2.300 7WW

Speaker: Nonthanan Sitpathom,
Macquarie University and
Mahidol University, Bangkok
Thailand

Abstract: We fabricated a mechanical strain sensor from polydimethylsiloxane film. We used a hexagonal monolayer of 580 nm polystyrene spheres as a template, which was created by convective deposition. Strains of 0-10% were sensed by optical diffraction under mechanical stress.

